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AMENDMENTS TO THE SPECIFICATION

Page 6, lines 21 - 27

~~Appendices A.1-A.4 represent~~ Figures 7(a)-7(d) illustrate the equilibrium concentration of the various species as a function of temperature at a pressure of 1 bar, 10 bar, 0.1 bar and 0.01 bar, respectively, and an initial concentration of water vapor of one mole. In another embodiment, a gas possessing the property of easily dissociating into a plasma such as argon may be used in which the water vapor is injected into the argon plasma such that the resident time of the water vapor in the argon plasma is sufficient to affect dissociation. Other gasses of similar properties may be used such as helium or xenon.